

Dhopteshwarwadi

19°58'34.0"N, 75°17'32.2"E
Aurangabad Tehsil
Aurangabad District

44 Households. 300 Population.
Date of Commissioning October 2017
Biogas Cooking Grid



Case

Comprising of an agro and dairy based economy, Dhopteshwarwadi did not have easy access to modern cooking solutions, existing just 16kms from Aurangabad city. To procure LPG a trip to Aurangabad was necessary, which of course was not a convenient and economical option. Firewood from the nearby hills had been exhausted and the people relied on agro based biomass for cooking, which was basically a seasonal commodity.

Technical Specifications

Biogas Plant - Water Jacket with Balloon
Capacity - 80m³
Feed capacity – 2 tonne/day
Distribution line – 1.2km
Cattle population – 250



Solution

Piped biogas to each household is being supplied from 5:30am to 10pm in accordance to their needs. An energy samithi has been established to maintain billing and to control daily operations. A school is also a beneficiary of the Biogas cooking grid. People now have access to modern cooking fuel generated in their own village. The quality of cooking fuel has been studied to be the same as LPG. Dhopteshwarwadi is a successful demonstration of the potential of a biogas cooking grid.

Project Completed by Gram Oorja Solutions
Project Supported by Jankidevi Bajaj Gram Vikas Sanstha





Dhopteshwarwadi



Cooking on biomass



Meeting with Villagers



Exposure Visit to Gawliwada



Erection of Biogas Plant



Excavation for Grid



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